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- (71) Applicant (for all designated States except US): WATERS INVESTMENTS LIMITED [US/US]; 109 Lukens Drive, New Castle, DE 19720 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GILBY, Anthony,C. [US/US]; 18 Prospect Street, Foxborough, MA 02035 (US).
- (74) Agent: JANIUK, Anthony, J.; Waters Corporation, 34 Maple Street, Milford, MA 01757 (US).

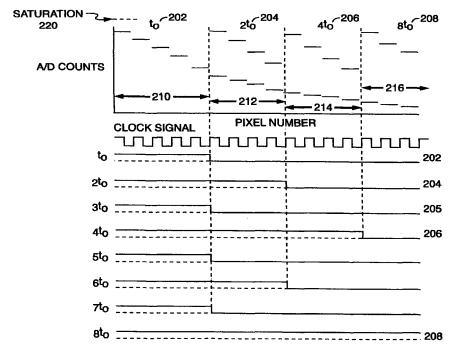
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(54) Title: SELF-SCANNED PHOTODIODE ARRAY WITH SELECTIVELY-SKIPPED PIXELS



(57) Abstract: A self scanning photodiode array allows low signal pixels to accumulate charge for multiples of predetermined exposure time t_o before being read. The pattern of exposures, the integers Mi where I runs from 1 to N the number of pixels in the array, is chosen such that the pixels of interest accumulate as much charge as possible without exceeding saturation.



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